

## SEQUENCE LISTING

<110> Yue, Henry  
 Corley, Neil C.  
 Guegler, Karl J.  
 Gorgone, Gina A.  
 Baughn, Mariah R.

<120> CELL SURFACE GLYCOPROTEINS

<130> PF-0631 US

<140> To Be Assigned

<141> Herewith

<160> 6

<170> PERL Program

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 <212> PRT  
 <213> Homo sapiens

<220> -  
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 Leu Asp Asp Pro Glu Pro Thr Lys Lys Pro Asn Ser Asp Ile Tyr  
 35 40 45  
 Pro Lys Pro Lys Pro Pro Tyr Tyr Pro Gln Pro Glu Asn Pro Asp  
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 Ser Gly Gly Asn Ile Tyr Pro Arg Pro Lys Pro Arg Pro Gln Pro  
 65 70 75  
 Gln Pro Gly Asn Ser Gly Asn Ser Gly Gly Tyr Phe Asn Asp Val  
 80 85 90  
 Asp Arg Asp Asp Gly Arg Tyr Pro Pro Arg Pro Arg Pro Arg Pro  
 95 100 105  
 Pro Ala Gly Gly Gly Gly Gly Gly Tyr Ser Ser Tyr Gly Asn Ser  
 110 115 120  
 Asp Asn Thr His Gly Arg Gly Gly Tyr Arg Pro Asn Ser Arg Tyr  
 125 130 135  
 Gly Asn Thr Tyr Gly Gly Asp His His Ser Thr Tyr Gly Asn Pro  
 140 145 150  
 Glu Gly Asn Met Val Ala Lys Ile Val Ser Pro Ile Val Ser Val  
 155 160 165  
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 Asn Asn Arg Arg Asn Cys Phe Arg Thr His Glu Pro Glu Asn Val  
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<212> PRT

<213> Homo sapiens

<220> -

<223> 2705267

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Leu Asp Gly Phe Arg Ser Asp Tyr Ile Ser Asp Glu Ala Leu Glu  
35 40 45  
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50 55 60  
Asp Tyr Leu Thr Pro Asp Phe Pro Ser Leu Ser Tyr Pro Asn Tyr  
65 70 75  
Tyr Thr Leu Met Thr Gly Arg His Cys Glu Val His Gln Met Ile  
80 85 90  
Gly Asn Tyr Met Trp Asp Pro Thr Thr Asn Lys Ser Phe Asp Ile  
95 100 105  
Gly Val Asn Lys Asp Ser Leu Met Pro Leu Trp Trp Asn Gly Ser  
110 115 120  
Glu Pro Leu Trp Val Thr Leu Thr Lys Ala Lys Arg Lys Val Tyr  
125 130 135  
Met Tyr Tyr Trp Pro Gly Cys Glu Val Glu Ile Leu Gly Val Arg  
140 145 150  
Pro Thr Tyr Cys Leu Glu Tyr Lys Asn Val Pro Thr Asp Ile Asn  
155 160 165  
Phe Ala Asn Ala Val Ser Asp Ala Leu Asp Ser Phe Lys Ser Gly  
170 175 180  
Arg Ala Asp Leu Ala Ala Ile Tyr His Glu Arg Ile Asp Val Glu  
185 190 195  
Gly His His Tyr Gly Pro Ala Ser Pro Gln Arg Lys Asp Ala Leu  
200 205 210  
Lys Ala Val Asp Thr Val Leu Lys Tyr Met Thr Lys Trp Ile Gln  
215 220 225  
Glu Arg Gly Leu Gln Asp Arg Leu Asn Val Ile Ile Phe Ser Asp  
230 235 240  
His Gly Met Thr Asp Ile Phe Trp Met Asp Lys Val Ile Glu Leu  
245 250 255  
Asn Lys Tyr Ile Ser Leu Asn Asp Leu Gln Gln Val Lys Asp Arg  
260 265 270  
Gly Pro Val Val Ser Leu Trp Pro Ala Pro Gly Lys His Ser Glu  
275 280 285  
Ile Tyr Asn Lys Leu Ser Thr Val Glu His Met Thr Val Tyr Glu  
290 295 300  
Lys Glu Ala Ile Pro Ser Arg Phe Tyr Tyr Lys Lys Gly Lys Phe  
305 310 315  
Val Ser Pro Leu Thr Leu Val Ala Asp Glu Gly Trp Phe Ile Thr  
320 325 330  
Glu Asn Arg Glu Met Leu Pro Phe Trp Met Asn Ser Thr Gly Arg  
335 340 345  
Arg Glu Gly Trp Gln Arg Gly Trp His Gly Tyr Asp Asn Glu Leu  
350 355 360  
Met Asp Met Arg Gly Ile Phe Leu Thr Leu Gly Pro Gly Arg Arg  
365 370 375  
Gly Asn Asp Gln Met Leu Ser Asp Pro Ile Pro Lys Glu Val Ser

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	380		385		390
Leu Arg Gly Pro	Thr Gly Ala Arg Arg	Gly Cys Arg Asp Phe Leu			
	395		400		405
Thr Asp Pro Leu	Tyr Glu Pro Ser Arg	Ala Asn Pro Ala Gly Leu			
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Trp Gln Met					

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35 40 45  
Pro Lys Pro Lys Pro Pro Tyr Tyr Pro Gln Pro Glu Asn Pro Asp  
50 55 60  
Ser Gly Gly Asn Ile Tyr Pro Arg Pro Lys Pro Arg Pro Gln Pro  
65 70 75  
Gln Pro Gly Asn Ser Gly Asn Ser Gly Gly Tyr Phe Asn Asp Val  
80 85 90  
Asp Arg Asp Asp Gly Arg Tyr Pro Pro Arg Pro Arg Pro Arg Pro  
95 100 105  
Pro Ala Gly Gly Gly Gly Gly Gly Tyr Ser Ser Tyr Gly Asn Ser  
110 115 120  
Asp Asn Thr His Gly Gly Asp His His Ser Thr Tyr Gly Asn Pro  
125 130 135  
Glu Gly Asn Met Val Ala Lys Ile Val Ser Pro Ile Val Ser Val  
140 145 150  
Val Val Val Thr Leu Leu Gly Ala Ala Ser Tyr Phe Lys Leu  
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<212> PRT  
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<220> -  
<223> g189650

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Ser Val Cys Val	20	25	30
Leu Thr Thr Ile Leu Gly Cys Ile Phe Gly Leu	35	40	45
Lys Pro Ser Cys Ala Lys Glu Val Lys Ser Cys Lys Gly Arg Cys	50	55	60
Phe Glu Arg Thr Phe Gly Asn Cys Arg Cys Asp Ala Ala Cys Val	65	70	75
Glu Leu Gly Asn Cys Cys Leu Asp Tyr Gln Glu Thr Cys Ile Glu	80	85	90
Pro Glu His Ile Trp Thr Cys Asn Lys Phe Arg Cys Gly Glu Lys	95	100	105
Arg Leu Thr Arg Ser Leu Cys Ala Cys Ser Asp Asp Cys Lys Asp	110	115	120
Lys Gly Asp Cys Cys Ile Asn Tyr Ser Ser Val Cys Gln Gly Glu	125	130	135
Lys Ser Trp Val Glu Glu Pro Cys Glu Ser Ile Asn Glu Pro Gln	140	145	150
Cys Pro Ala Gly Phe Glu Thr Pro Pro Thr Leu Leu Phe Ser Leu	155	160	165
Asp Gly Phe Arg Ala Glu Tyr Leu His Thr Trp Gly Gly Leu Leu	170	175	180
Pro Val Ile Ser Lys Leu Lys Lys Cys Gly Thr Tyr Thr Lys Asn	185	190	195
Met Arg Pro Val Tyr Pro Thr Lys Thr Phe Pro Asn His Tyr Ser	200	205	210
Ile Val Thr Gly Leu Tyr Pro Glu Ser His Gly Ile Ile Asp Asn	215	220	225
Lys Met Tyr Asp Pro Lys Met Asn Ala Ser Phe Ser Leu Lys Ser	230	235	240
Lys Glu Lys Phe Asn Pro Glu Trp Tyr Lys Gly Glu Pro Ile Trp	245	250	255
Val Thr Ala Lys Tyr Gln Gly Leu Lys Ser Gly Thr Phe Phe Trp	260	265	270
Pro Gly Ser Asp Val Glu Ile Asn Gly Ile Phe Pro Asp Ile Tyr	275	280	285
Lys Met Tyr Asn Gly Ser Val Pro Phe Glu Glu Arg Ile Leu Ala	290	295	300
Val Leu Gln Trp Leu Gln Leu Pro Lys Asp Glu Arg Pro His Phe	305	310	315
Tyr Thr Leu Tyr Leu Glu Glu Pro Asp Ser Ser Gly His Ser Tyr	320	325	330
Gly Pro Val Ser Ser Glu Val Ile Lys Ala Leu Gln Arg Val Asp	335	340	345
Gly Met Val Gly Met Leu Met Asp Gly Leu Lys Glu Leu Asn Leu	350	355	360
His Arg Cys Leu Asn Leu Ile Leu Ile Ser Asp His Gly Met Glu	365	370	375
Gln Gly Ser Cys Lys Lys Tyr Ile Tyr Leu Asn Lys Tyr Leu Gly	380	385	390
Asp Val Lys Asn Ile Lys Val Ile Tyr Gly Pro Ala Ala Arg Leu	395	400	405
Arg Pro Ser Asp Val Pro Asp Lys Tyr Tyr Ser Phe Asn Tyr Glu	410	415	420
Gly Ile Ala Arg Asn Leu Ser Cys Arg Glu Pro Asn Gln His Phe	425	430	435
Lys Pro Tyr Leu Lys His Phe Leu Pro Lys Arg Leu His Phe Ala	440	445	450
Lys Ser Asp Arg Ile Glu Pro Leu Thr Phe Tyr Leu Asp Pro Gln	455	460	465
Trp Gln Leu Ala Leu Asn Pro Ser Glu Arg Lys Tyr Cys Gly Ser			

	470		475		480
Gly Phe His Gly	Ser Asp Asn Val Phe	Ser Asn Met Gln Ala	Leu		
	485		490		495
Phe Val Gly Tyr	Gly Pro Gly Phe Lys	His Gly Ile Glu Ala	Asp		
	500		505		510
Thr Phe Glu Asn	Ile Glu Val Tyr Asn	Leu Met Cys Asp Leu	Leu		
	515		520		525
Asn Leu Thr Pro	Ala Pro Asn Asn Gly	Thr His Gly Ser Leu	Asn		
	530		535		540
His Leu Leu Lys	Asn Pro Val Tyr Thr	Pro Lys His Pro Lys	Glu		
	545		550		555
Val His Pro Leu	Val Gln Cys Pro Phe	Thr Arg Asn Pro Arg	Asp		
	560		565		570
Asn Leu Gly Cys	Ser Cys Asn Pro Ser	Ile Leu Pro Ile Glu	Asp		
	575		580		585
Phe Gln Thr Gln	Phe Asn Leu Thr Val	Ala Glu Glu Lys Ile	Ile		
	590		595		600
Lys His Glu Thr	Leu Pro Tyr Gly Arg	Pro Arg Val Leu Gln	Lys		
	605		610		615
Glu Asn Thr Ile	Cys Leu Leu Ser Gln	His Gln Phe Met Ser	Gly		
	620		625		630
Tyr Ser Gln Asp	Ile Leu Met Pro Leu	Trp Thr Ser Tyr Thr	Val		
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Asp Arg Asn Asp	Ser Phe Ser Thr Glu	Asp Phe Ser Asn Cys	Leu		
	650		655		660
Tyr Gln Asp Phe	Arg Ile Pro Leu Ser	Pro Val His Lys Cys	Ser		
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Phe Tyr Lys Asn	Asn Thr Lys Val Ser	Tyr Gly Phe Leu Ser	Pro		
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Pro Gln Leu Asn	Lys Asn Ser Ser Gly	Ile Tyr Ser Glu Ala	Leu		
	695		700		705
Leu Thr Thr Asn	Ile Val Pro Met Tyr	Gln Ser Phe Gln Val	Ile		
	710		715		720
Trp Arg Tyr Phe	His Asp Thr Leu Leu	Arg Lys Tyr Ala Glu	Glu		
	725		730		735
Arg Asn Gly Val	Asn Val Val Ser Gly	Pro Val Phe Asp Phe	Asp		
	740		745		750
Tyr Asp Gly Arg	Cys Asp Ser Leu Glu	Asn Leu Arg Gln Lys	Arg		
	755		760		765
Arg Val Ile Arg	Asn Gln Glu Ile Leu	Ile Pro Thr His Phe	Phe		
	770		775		780
Ile Val Leu Thr	Ser Cys Lys Asp Thr	Ser Gln Thr Pro Leu	His		
	785		790		795
Cys Glu Asn Leu	Asp Thr Leu Ala Phe	Ile Leu Pro His Arg	Thr		
	800		805		810
Asp Asn Ser Glu	Ser Cys Val His Gly	Lys His Asp Ser Ser	Trp		
	815		820		825
Val Glu Glu Leu	Leu Met Leu His Arg	Ala Arg Ile Thr Asp	Val		
	830		835		840
Glu His Ile Thr	Gly Leu Ser Phe Tyr	Gln Gln Arg Lys Glu	Pro		
	845		850		855
Val Ser Asp Ile	Leu Lys Leu Lys Thr	His Leu Pro Thr Phe	Ser		
	860		865		870
Gln Glu Asp					